$$\begin{array}{c} I / 0 \\ C_{10} H_{21} - I / N + (CH_2)_2 - N + I / C_{10} H_{21} \\ DQ \ 9I \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_6 - N + I / C_{10} H_{21} \\ DQ \ 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_6 - N + I / C_{10} H_{21} \\ DQ \ 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_6 - N + I / C_{10} H_{21} \\ DQ \ 11CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_2 - N + I / C_{18} H_{37} \\ DQ \ 12CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_6 - N + I / C_{18} H_{37} \\ DQ \ 12CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_6 - N + I / C_{18} H_{37} \\ DQ \ 12CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_6 - N + I / C_{18} H_{37} \\ DQ \ 12CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_6 - N + I / C_{18} H_{37} \\ DQ \ 13CI \\ \end{array}$$

$$\begin{array}{c} C_{18} H_{37} - I / N + (CH_2)_4 - N + I / C_{18} H_{37} \\ DQ \ 15CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_4 - N + I / C_{18} H_{37} \\ DQ \ 15CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_4 - N + I / C_{18} H_{37} \\ DQ \ 15CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_4 - N + I / C_{18} H_{37} \\ DQ \ 15CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_4 - N + I / C_{18} H_{37} \\ DQ \ 15CI \\ \end{array}$$

$$\begin{array}{c} C_{10} H_{21} - I / N + (CH_2)_3 - N + I / C_{10} H_{21} \\ DQ \ 18CI \\ \end{array}$$

$$\begin{array}{c} I \\ C_{10}H_{21} & I \\ D_{0} & 9I \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 9I \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{0} & 10CI \\ \end{array}$$

$$\begin{array}{c} C_{10}H_{21} & I \\ D_{10} & I \\ D_{10} & I \\ D_{10} & I \\ D$$

FIG. 1

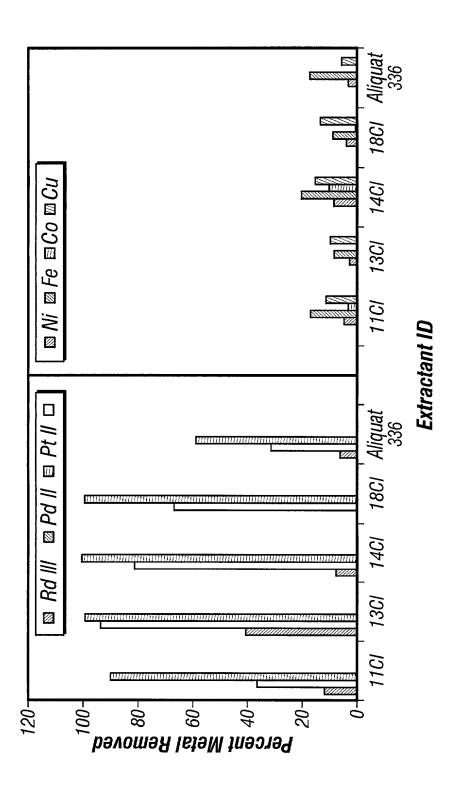


FIG. 2

7 867	0 148	16.935	49.694	0.89	חמוו
8.119	52.726	16.728	50.293	3.22	DQ 13
5.946	0.124	18.349	50.899	90.7	00 12
6.59/	0.025	11.042	70.00	7. 7	00 10
6.607	0.02	17,642	49.902	0.42	DQ 15
7 130	25.52	17.289	50.797	3.3	DQ 17
8.122	25.323	11.071	39.924	5.6	DU 14
5.948	0.01	12.692	40.322	7.75	DQ 10
6.601	2.933	11.985	39.449		0/ 0/
7.127	12.744	11.632	39.331	7.86	00 18
	E	٦	(		0,00
(42)	(dcbyc) F	(5: 35: 2, 5: 3: 3: 3)	(kcal/mole)	<b>:</b> <b>:</b>	
Electron Affinity	Dipole Moment   E	Connectivity Index (order 2, standard)	Minimum Energy	D-Value Pd II	Compound
			Conformation		

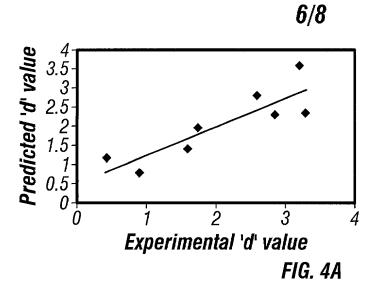
FIG. 3A

yy Total Energy ) (Hartree) !	rgy le)
-	39.331
	39.597
	40.322
	39.924
	50.797
	49.902
	50.899
	50.293
	49.694

FIG. 3B

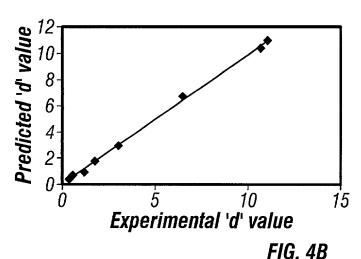
			-			_	_			
Valence Connectivity Solvent Accessible Index (order 2, Surface Area (Å <sup>2</sup> ) standard)	Ь	11 069	11.423	12.13	10.53	16.726	17.08	17.787	16 187	16.372
=	Ø	521.24	539.815	576.054	485.397	813.7	831.853	883.721	778.615	793.278
LUMO Shape Index (eV) (basic kappa, energy order 3)	0	21.031	22.027	23.967	13.04	36.681	37.686	39.658	26.747	35.716
LUMO (eV) Energy	>	-7.127	-6.601	-5.948	-8.122	-7.139	-6.598	5.946	-8.119	-7.867
Tog P	M	6.409	98.9	299.7	6.179	12.75	13.201	13.993	12.52	12.697
Ionization Potential (eV)	7	13.703	13.635	13.52	13.855	12.628	12.601	12.552	12.687	12.661
Compound Potential (eV)		DQ 18	DQ 16	DQ 10	DQ 14	DQ 17	DQ 15	DQ 12	DQ 13	DQ11

FIG. 3C



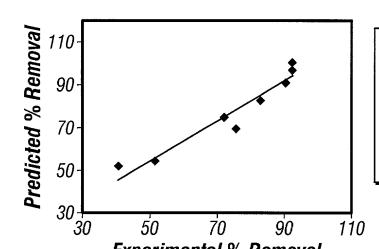
Predictive Eq. for Pd II

B=0.0554277\*E+0.61 0452\*L-16.7616/N-9.0729



Predictive Eq. for Pd IV

B=71.6336\*D+0.4637 96\*E+23.6272\*F+19.8 848\*G-9.37422\*H+2.71931\*I +108.256

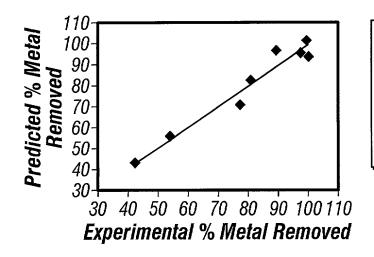


Experimental % Removal

Predictive Eq. for Pt II

B=-276.194\*L-69.6714\*M-4.68162\*N-7.67628\*O+3.7778\*P-154.864\*Q+4211.14

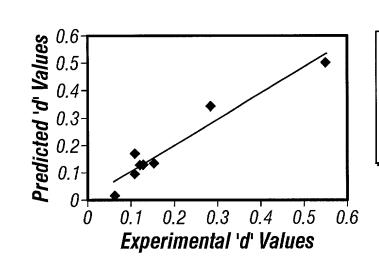
FIG. 4C



Predictive Eq. for Pt IV

B=283.378\*D+1.4239 9\*E+173.825\*F+212.2 66\*G+2.69479\*H+14 4354\*I+167.3

FIG. 4D



Predictive Eq. for Rh III

B=0.00584793\*E-0.90334\*N-42.1486/N-12.3346

FIG. 4E

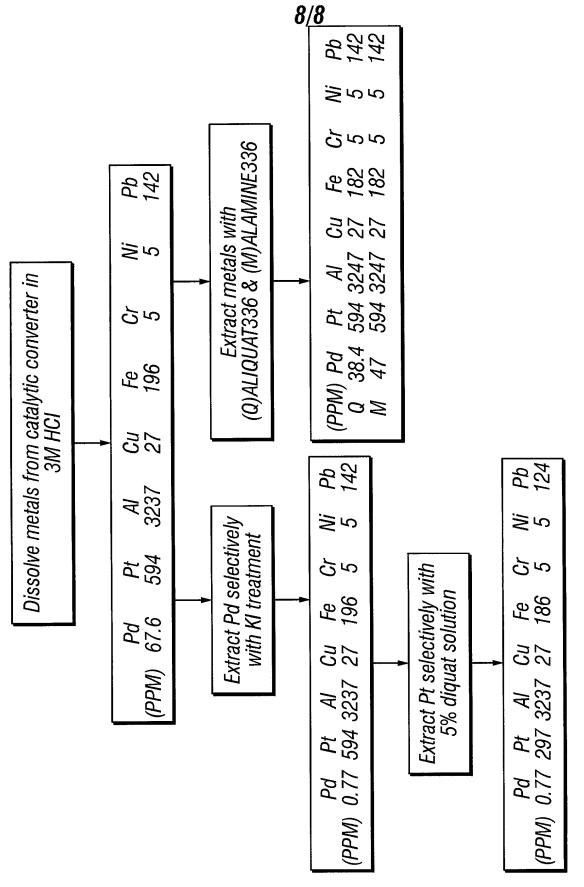


FIG. 5